

NOTES:

1. THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:

- A) CIMCOOL 5 STAR 49
- B) TRIM SOL

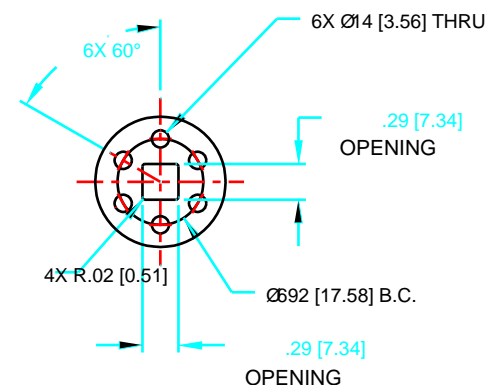
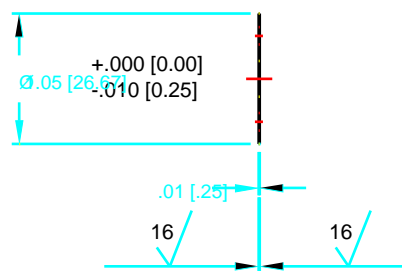
3. FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED

4. CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1×10^{-9} TORR CAN BE ACHIEVED

5. HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS


6. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY

7. DIMENSIONS IN () ARE FOR REF. ONLY



REF. SOURCE

JOHNSON MATTHEY CATALOG CO., INC
30 BOND STREET
WARD HILL, MA 01835-8099
CATALOG #11498]TEL: 1-800-343-0660

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION			MATERIAL / SPEC	QTY
PARTS LIST						
<div>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES</div> <div>TOLERANCES</div> <div>DECIMALS ANGULAR</div> <div>.X - .1 [2.5]</div> <div>.XX - .01 [0.25]</div> <div>.XXX - .005 [0.13]</div> <div>SURFACE ROUGHNESS 125 ✓</div> <div>REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.</div> <div>SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1</div> <div>DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5</div> <div>DO NOT SCALE DRAWING</div>		LOG NUMBER	<div>THIS DRAWING IS THE PROPERTY OF</div> <div> ARGONNE NATIONAL LABORATORY</div>			
		L5920009-00				
		DRAWN BY	DATE	CHIEF DESIGN ENGINEER	DATE	TITLE
		MUSCIA	9/20/00	D. SHU	10/11/00	ADVANCED PHOTON SOURCE L5-92 APS UNDULATOR WHITE BEAM H & V GRAZING - INCIDENCE MOVEABLE MASK SILVER SHIM
		CHECKED BY	DATE	GP LEADER	DATE	
SHU/BRAJUSKOVIC	10/6/00	P. DEN HARTOG				
DESIGNER	DATE	PROJECT MGR.	DATE			
SHU/MUSCIA	9/20/00					
RESPONSIBLE ENGINEER	DATE	APPROVED/RELEASED	DATE			
D. SHU	10/11/00					
MATERIAL			SCALE	SIZE	DRAWING NUMBER	
SILVER FOIL PORITY 99.9%			1:1	B	L5-920009-00	
			SHEET	14		

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ADVANCED PHOTON SOURCE

L5-92 APS UNDULATOR
WHITE BEAM H & V
GRAZING - INCIDENCE
MOVEABLE MASK
SILVER SHIM